



**Australian Government**

**Assessment Requirements for  
UETDRMP011 Testing of connections to  
low voltage electricity networks**

**Release: 1**

# Assessment Requirements for UETDRMP011 Testing of connections to low voltage electricity networks

## Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 4.0.

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on one occasion and include:

- identifying hazards, assessing risks and applying control measures
- preparing and using test equipment
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- testing of single phase and multi-phase connections in accordance with workplace requirements
- recording test results in accordance with workplace requirements.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- low voltage (LV) testing of network connections including:
  - selection, inspection and use of test equipment relevant for the testing procedures
  - types and application of PPE
  - acceptable neutral voltage criteria
  - polarity testing
  - neutral integrity testing
  - phase rotation testing
  - phasing confirmation
  - corrective actions in accordance with workplace requirements
  - recording results in accordance with workplace requirements
  - test procedures of single phase and multi-phase connections in accordance with workplace requirements and AS4741
  - identification of secondary points of contact
- causes and effects of incorrect and poor electrical connections.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessors must observe candidates completing tasks in an individual setting. Practical assessment conducted in groups is not appropriate for this unit.

Assessment must occur in workplace operational situations where it is appropriate to do so.

Where this is not appropriate, assessment must occur in simulated conditions involving realistic and authentic activities that replicate operational workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate tools, equipment and PPE currently used in industry for testing of connections to LV electricity networks
- applicable documentation including workplace requirements, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

## Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>